PHOENIX SURVEYS, INC.

COMPENSATED DENSITY
COMPENSATED NEUTRON
DUAL INDUCTION

Company
Well
Field
County
State/Prv

Company **Bonanza Creek Operating Co. LLC**
Well **Guttersen Ranch 33-9**
Field **Wattenberg**
County **Weld** State/Province **Colorado**

Location
2154' FSL & 1979' FEL
NW SE
Sec. 9, Twp. 4N, Rge. 63W

Other Services
None

Elevation
K.B. 4762
D.F. 4761
G.L. 4750

Permanent Datum	GL	Elevation	4750
Log Measured From	KB		
Drilling Measured From	KB		

Date	July 14, 2008		
Run Number	1		
Depth Driller	7340		
Depth Logger	7340		
Bottom Logged Interval	7340		
Top Log Interval	Casing		
Casing Driller	896		
Casing Logger	896		
Bit Size	7-7/8"		
Type Fluid in Hole	Chem Gel		
Density / Viscosity	9.3 / 65		
pH / Fluid Loss	8.0 / 10.4		
Source of Sample	Flowline		
Rm @ Meas. Temp	3.16 @ 89° F		
Rmf @ Meas. Temp	2.37 @ 89° F		
Rmc @ Meas. Temp	3.95 @ 89° F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	1.23 @ 215° F		
Time Circulation Stopped	0030		
Time Logger on Bottom	0815		
Maximum Recorded Temperature	215° F		
Equipment Number	4420		
Location	Brighton, CO		
Recorded By	Maciej Staron		
Witnessed By	Mark Scanniello	Kerry McCowen	

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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

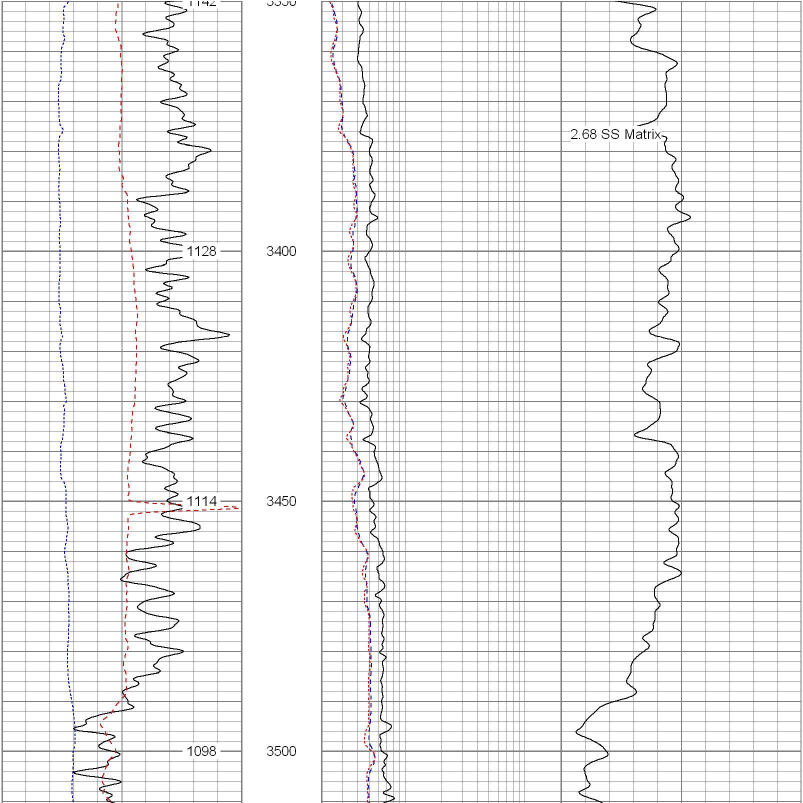
Annular volume calculated for 4-1/2" casing
Mid Continent Rig 1
Thank you for using Phoenix Surveys!!
API #: 05-123-25658-00

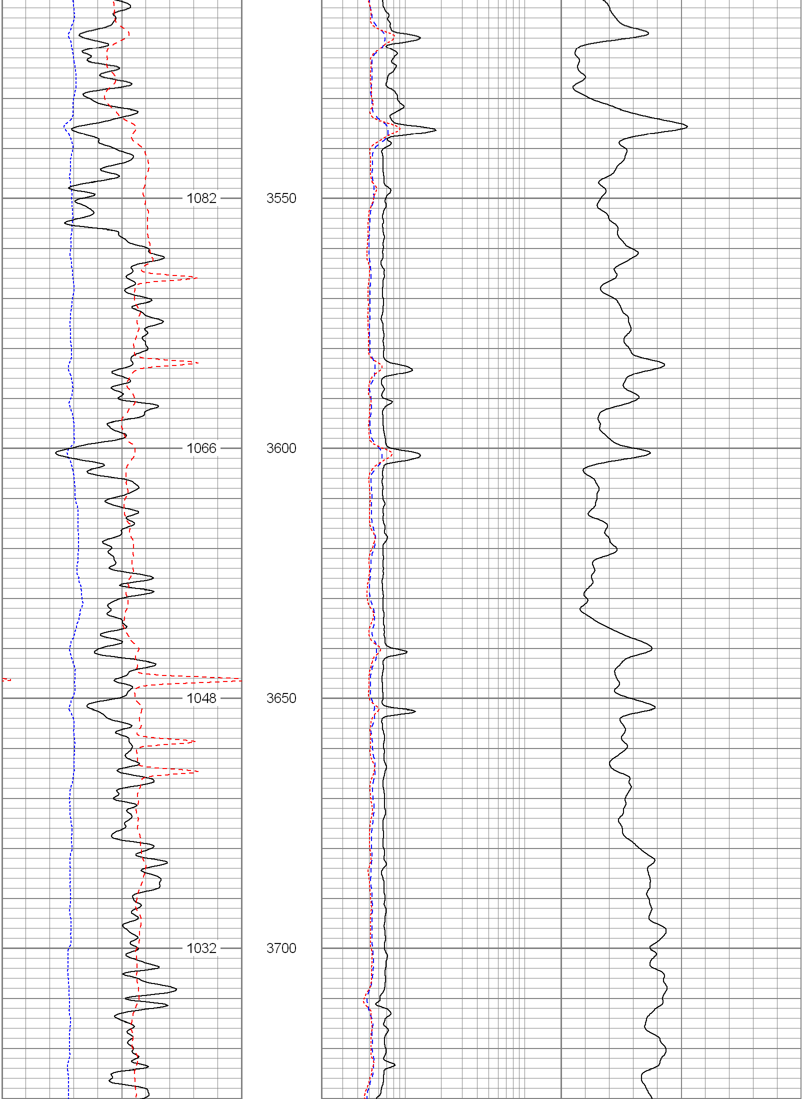
Database File: 8885.db
Dataset Pathname: pass3
Presentation Format: pdc1
Dataset Creation: Mon Jul 14 08:39:47 2008 by Log Open-Cased 061129
Charted by: Depth in Feet scaled 1:240

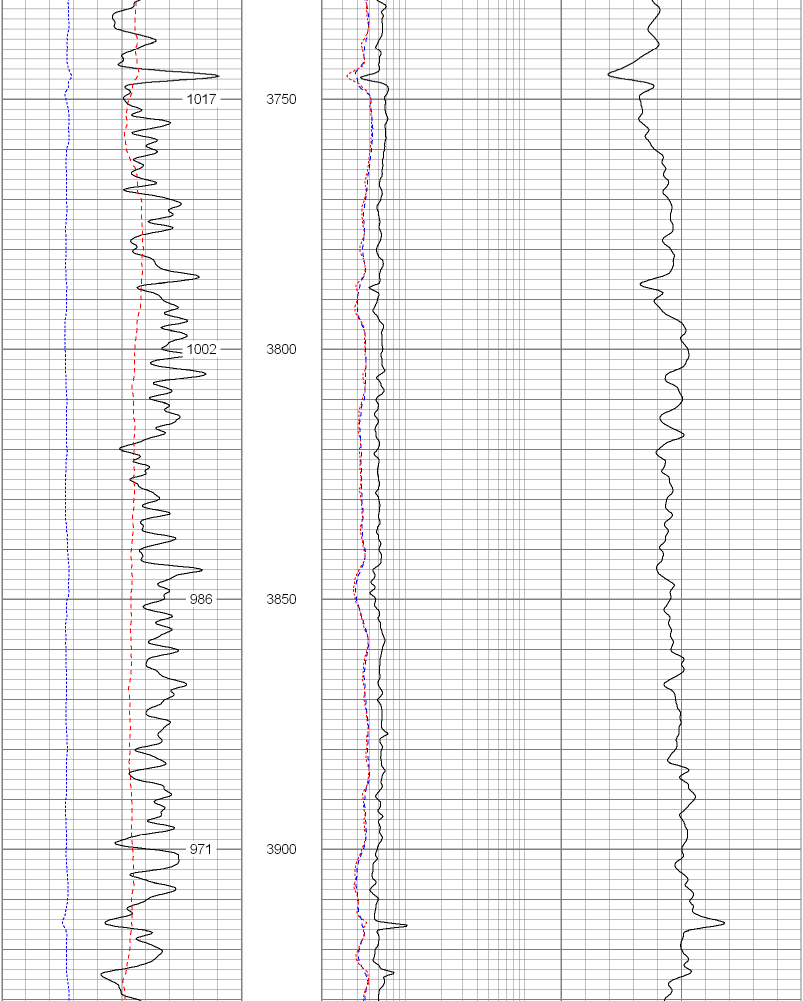
6 Density Caliper (in) 16
30 Gamma Ray (GAPI) 130
50 SP (mV) 150

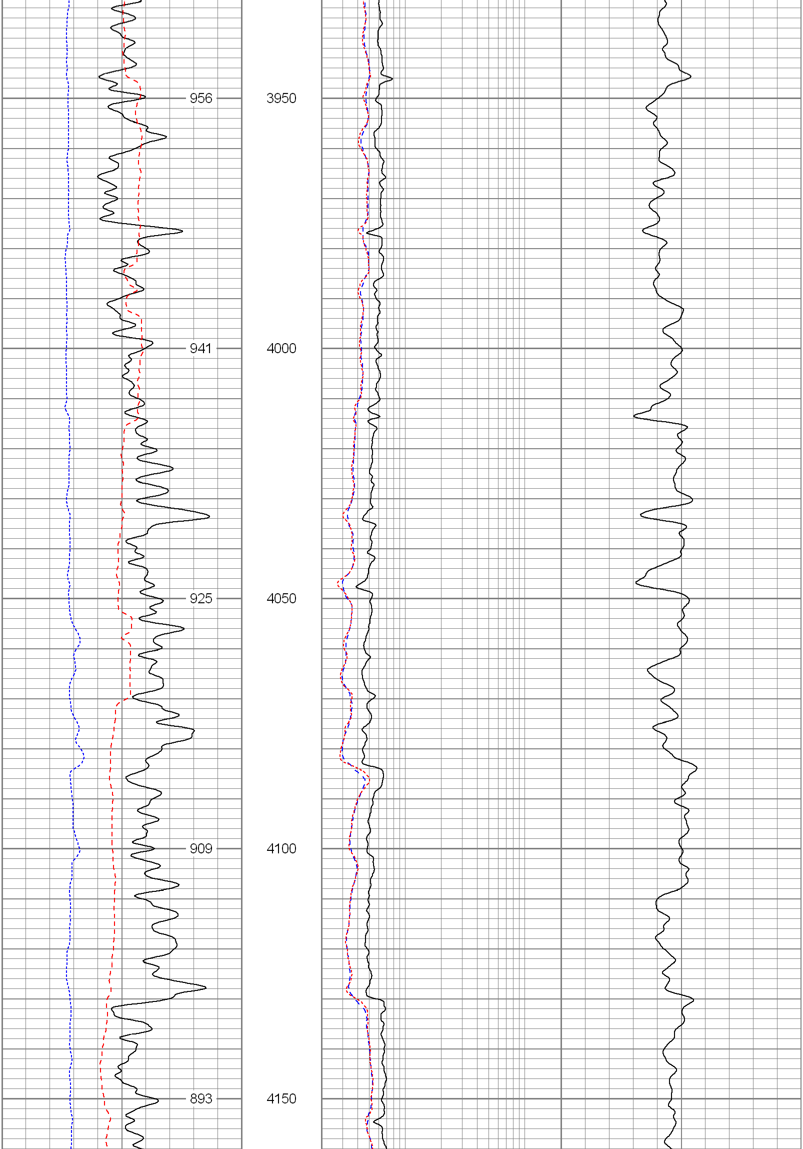
2 Deep Resistivity (Ohm-m) 200
2 Medium Resistivity (Ohm-m) 200
2 Shallow Resistivity (Ohm-m) 200

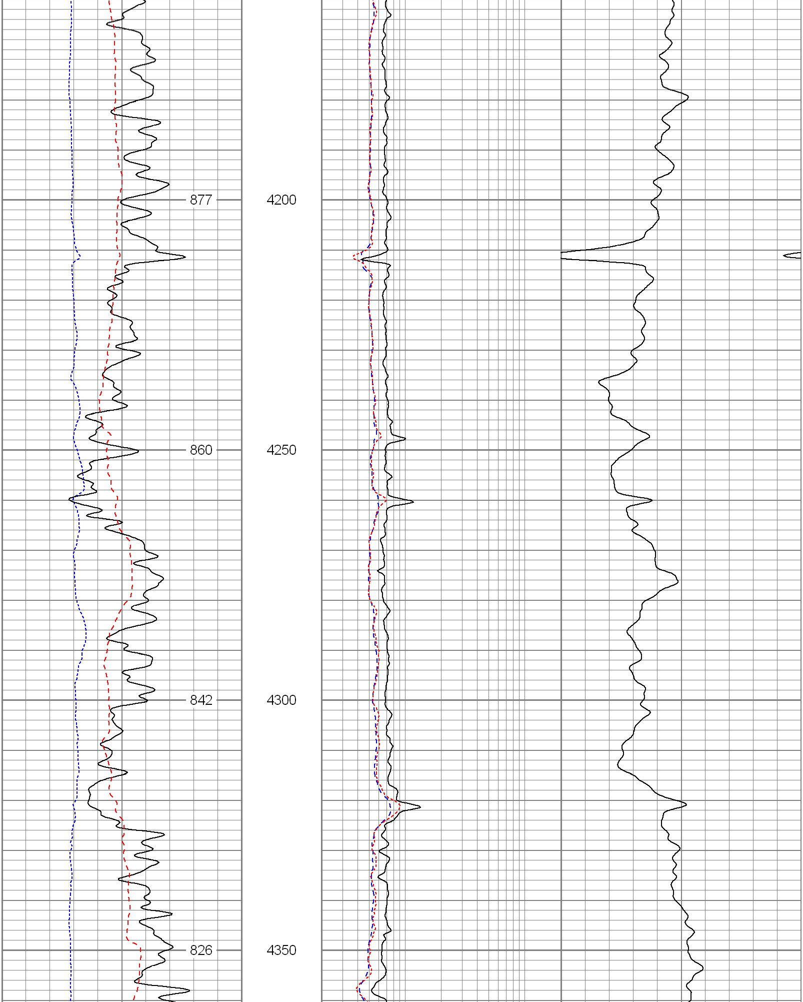
20 Density Porosity (pu) 0
20 Neutron Porosity (pu) 0

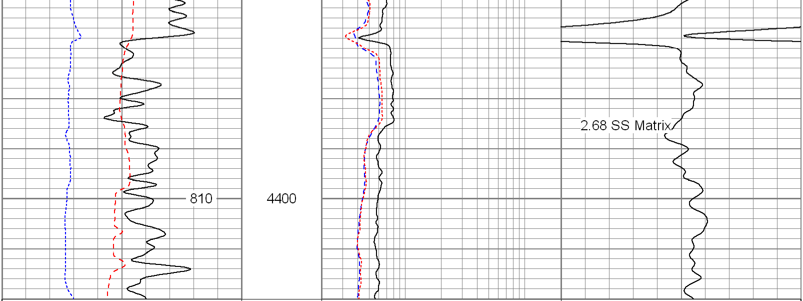








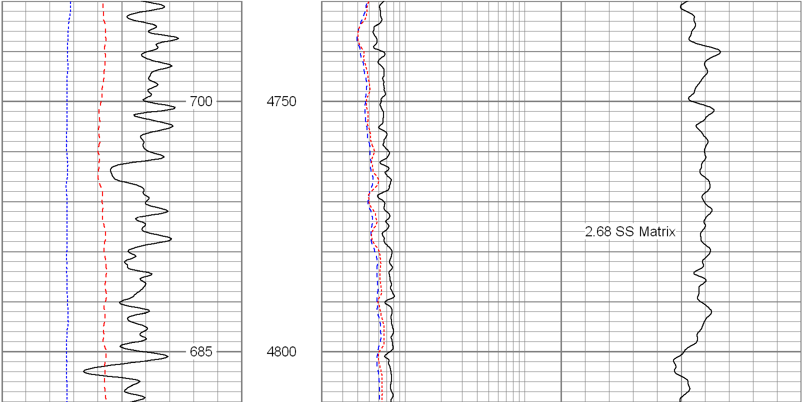


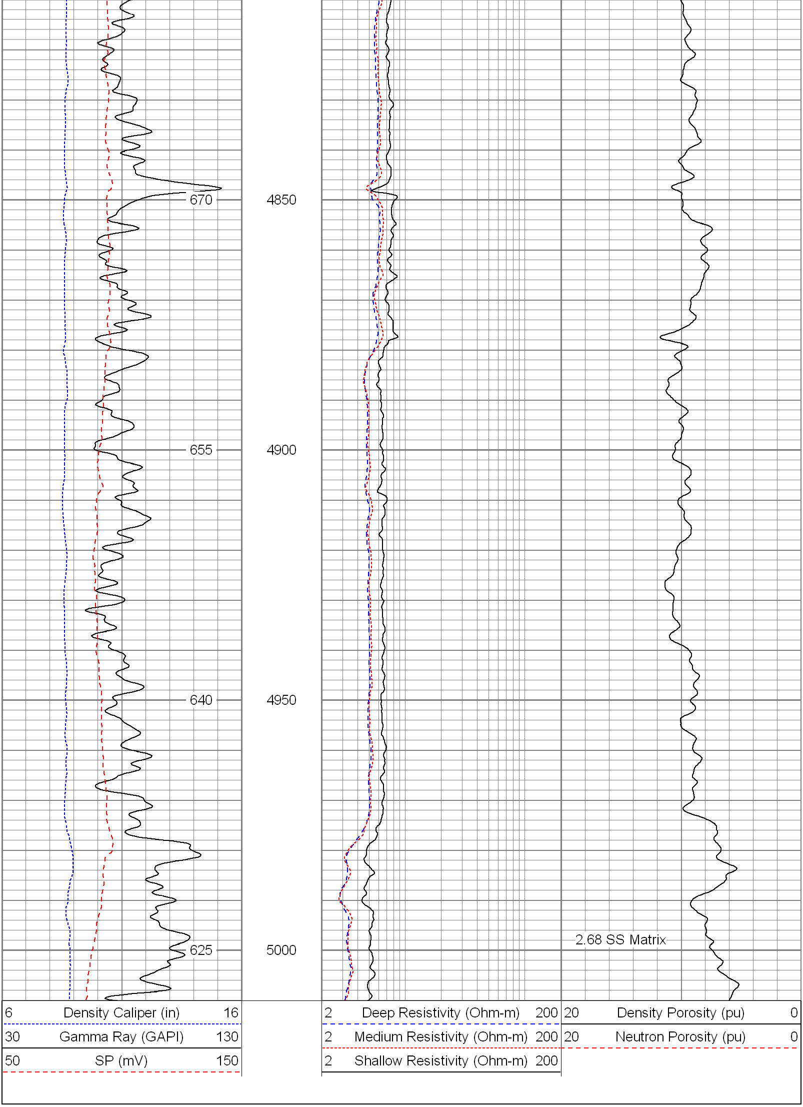


6	Density Caliper (in)	16	2	Deep Resistivity (Ohm-m)	200	20	Density Porosity (pu)	0
30	Gamma Ray (GAPI)	130	2	Medium Resistivity (Ohm-m)	200	20	Neutron Porosity (pu)	0
50	SP (mV)	150	2	Shallow Resistivity (Ohm-m)	200			

Database File:	8885.db
Dataset Pathname:	pass3
Presentation Format:	pdc1
Dataset Creation:	Mon Jul 14 08:39:47 2008 by Log Open-Cased 061129
Charted by:	Depth in Feet scaled 1:240

6	Density Caliper (in)	16	2	Deep Resistivity (Ohm-m)	200	20	Density Porosity (pu)	0
30	Gamma Ray (GAPI)	130	2	Medium Resistivity (Ohm-m)	200	20	Neutron Porosity (pu)	0
50	SP (mV)	150	2	Shallow Resistivity (Ohm-m)	200			

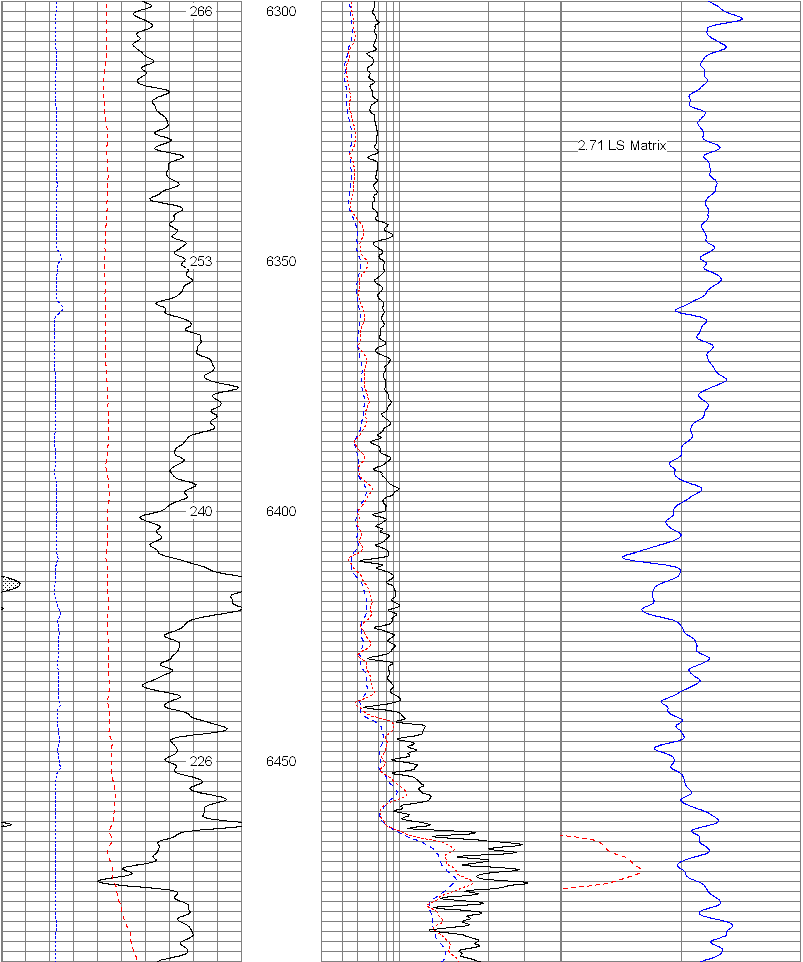
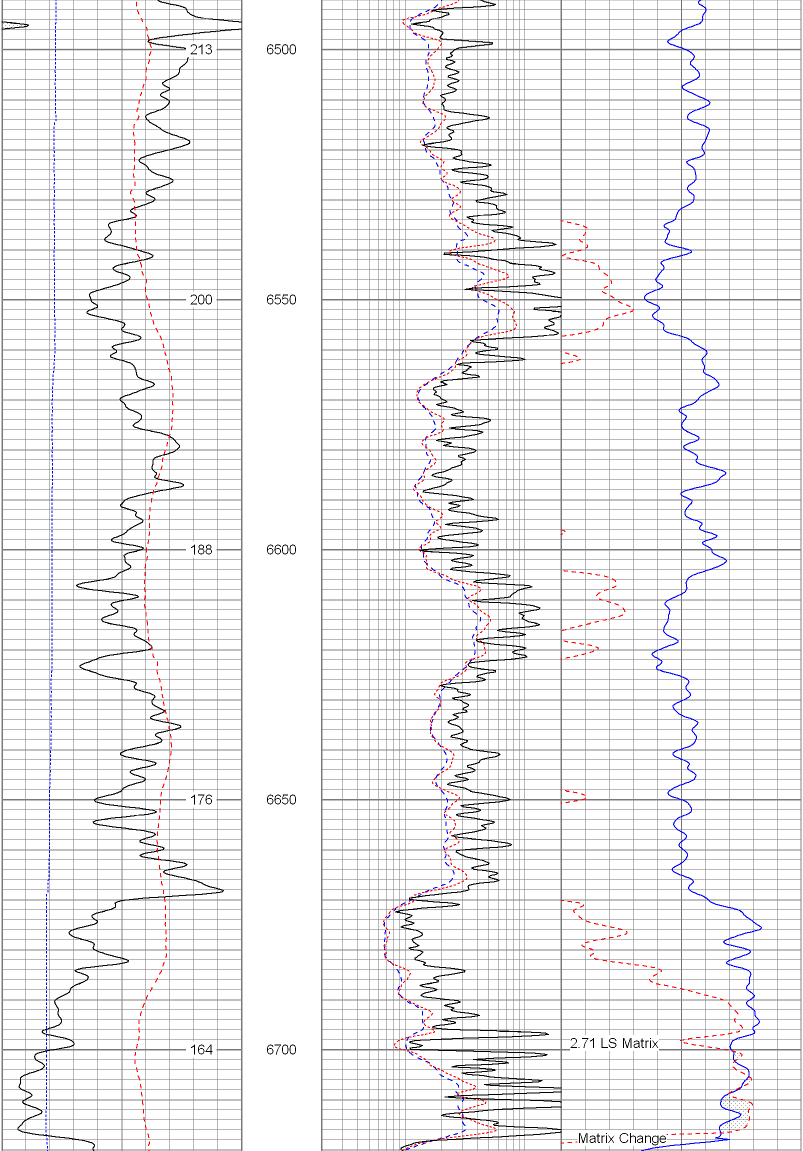
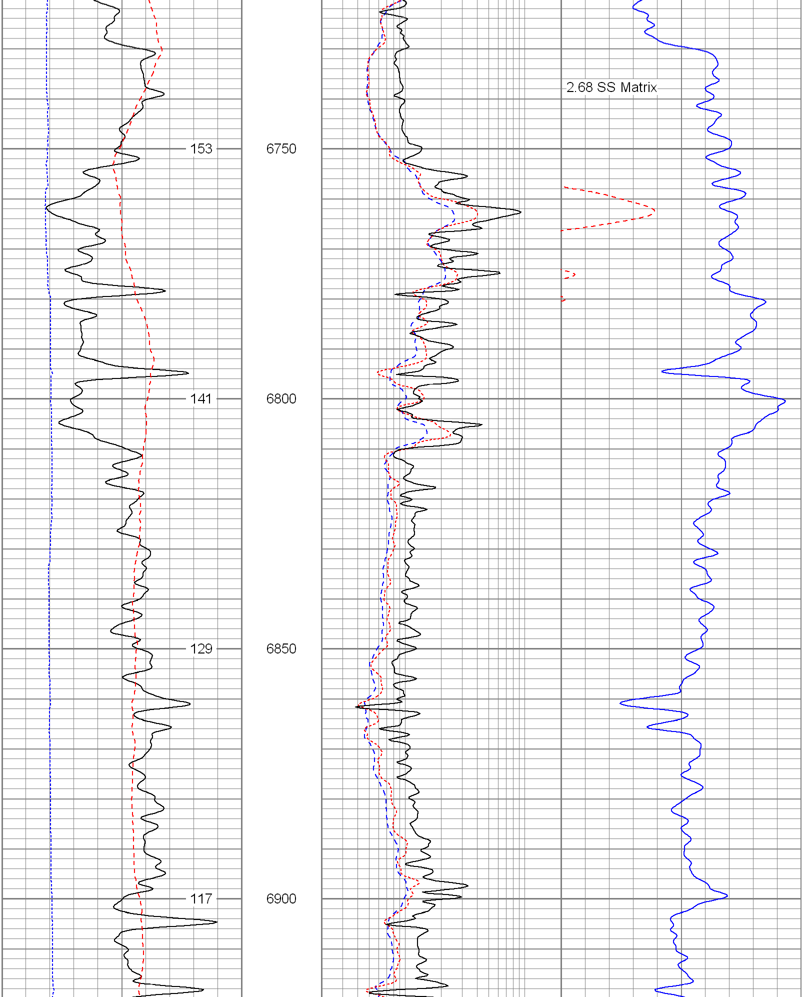
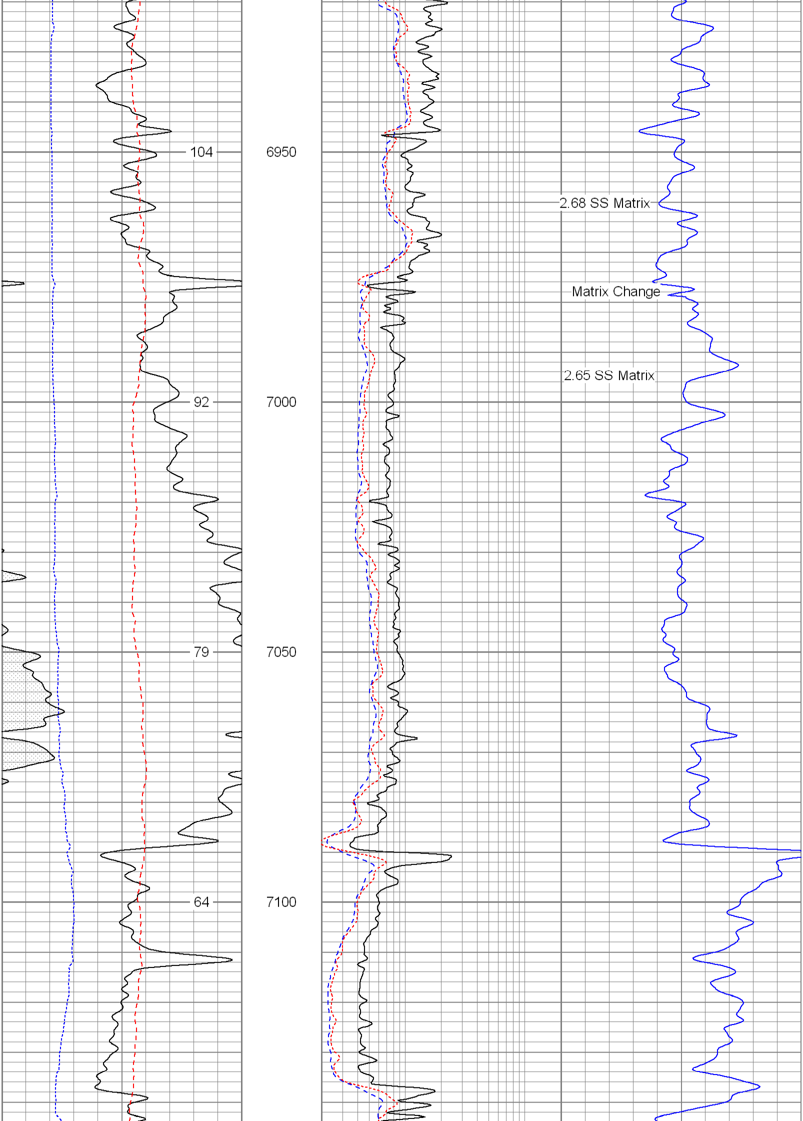
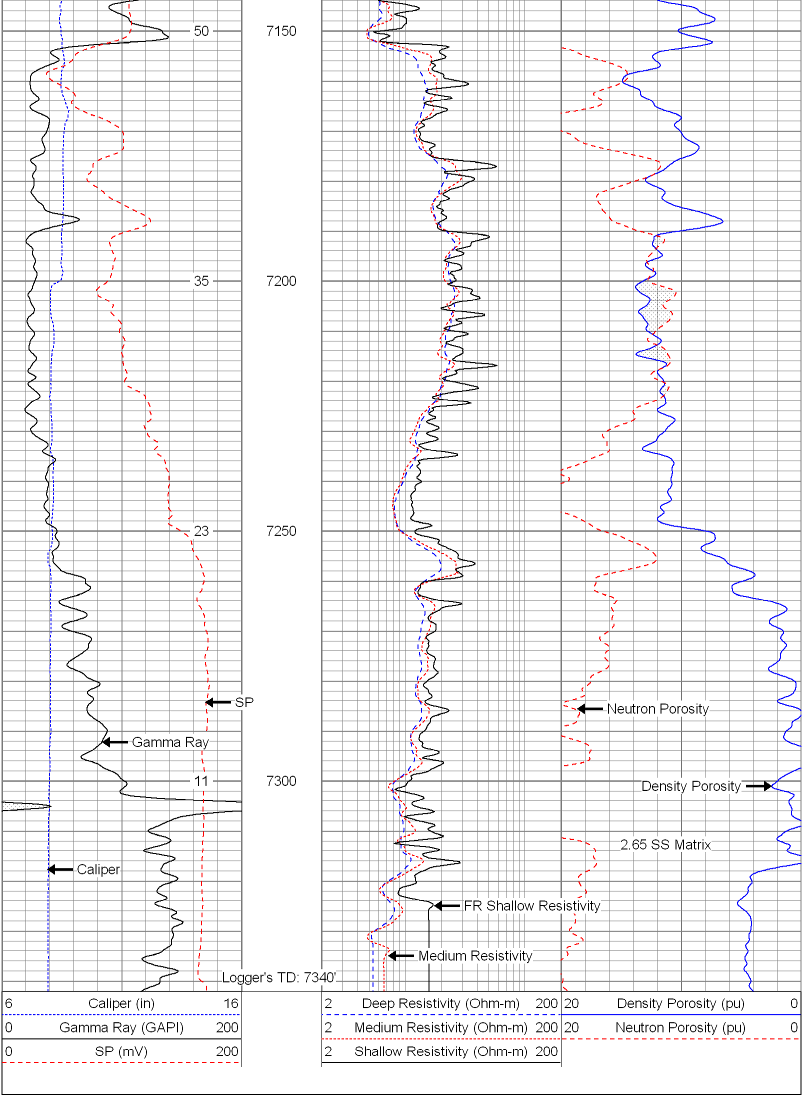




Database File: 8885.db
Dataset Pathname: pass3
Presentation Format: pdc
Dataset Creation: Mon Jul 14 08:39:47 2008 by Log Open-Cased 061129
Charted by: Depth in Feet scaled 1:240

6 Caliper (in) 16
0 Gamma Ray (GAPI) 200
0 SP (mV) 200

2 Deep Resistivity (Ohm-m) 200
2 Medium Resistivity (Ohm-m) 200
2 Shallow Resistivity (Ohm-m) 200

20 Density Porosity (pu) 0
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